

AD-A280 304



headquarters, Joint Task Force SEVEN
APO 437, San Francisco, California
16 April 1958

DNA

Operation Order 6-58 (YUCCA Event)

1. SITUATION

- a. Information and instructions contained herein supplement the JTF SEVEN Operation Order 1-58, dated 1 October 1957, with changes thereto.
- b. YUCCA will be launched from the USS BOXER by balloon about 1100 hours on 26 April. Detonation is planned to occur at 261400M April. The planned point of detonation is
12° 17' 30" N - 163° 21' E.
- c. Ships or personnel will not be evacuated from BIKINI or ENIWETOK Atolls.

2. SPECIFIC INSTRUCTIONS

a. TG 7.1

In coordination with other units of JTF SEVEN, supervise the launching and detonation of YUCCA on 26 April in accordance with paragraph 1 of Annex B to JTF SEVEN Operation Order 1-58. Specific authority to arm, launch and detonate the device will be obtained from CJTF SEVEN.

b. TG 7.3

- (1) In coordination with Task Groups 7.1 and 7.4, position the USS BOXER for the YUCCA event.
- (2) Commencing D-2 ensure that the surface area as delineated below is clear of all surface units at H-hour, other than those of JTF SEVEN:

The area enclosed by a circle with a 140 mile radius the center of which is located at 12° North, 164° East.

Final surveillance report will be submitted to CJTF SEVEN at H minus 4 hours.

TG 7.4

- (1) Ensure that participating aircraft are in position by H minus 4 minutes. CJTF SEVEN will be notified at any time that participating aircraft will not be in position to accomplish their assigned mission at H-hour.
- (2) Suspend airlift flights between ENIWETOK and BIKINI beginning H minus 1½ hours. Resume flights beginning H plus 30 minutes.
- (3) Be prepared to follow the balloon and device with suitable aircraft in the event of a failure to fire and subsequent failure of the "cutdown" equipment to function properly.

3. GENERAL INSTRUCTIONS

- a. Due to the flash blindness hazard associated with YUCCA, the hazardous area encompasses the entire EPG. Accordingly, ~~musters will be held.~~ All personnel within viewing distance of the detonation who are not supplied with protective goggles will turn away from the detonation point and close their eyes during the time of burst. At least ten seconds should be allowed before looking directly at the burst. ~~Muster status reports will be submitted at 0800M P-Day, and final reports will be submitted by 1000M P-Day.~~

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DECLASSIFIED BY CHIEF, ISCM, DNA

John J. Dwyer
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- b. The JTF SEVEN CHECK LIST - BIKINI AND ENIWETOK EVENTS dated 29 March 1958, is changed as follows for YUCCA Event:

(1) Delete the following items: 3, 4, 5, 7, 11, 12, 16, 17, 18, 19, 25, 26, 32, 35, 36, 38, 39, 40, 42, and 43.

(2) Change following items to read as indicated below:

ITEM	DAY	HOOR	EVENT	JTF SEVEN ACTION
8.	Same	2000		
9.	Same	Same	The predicted air and surface radexes for period H-3 hrs to H+1 minute.	Same
10.	D-Day	0800	Pre-shot muster of all TF personnel.	Same
13.	D-Day	Linch-1 hour (about)	Same	Same
14.	D-Day	Linch H-30min (about)	Arming team arms device	Same
15.	D-Day	1000 (about)	Same	Same
20.	D-Day	Same	Same	Same
21.	D-Day	1000	Same	Same
22.	Same	H-15 min	Same	Same
23.	Same	1000	Same	Same
24.	Same	H-5 hrs (about)	Same	Same
24a.	D-Day	H-3 1/2 hrs	CTG 7.1 obtain permission from CJTF-7 to launch YUCCA.	Determine time of launch.
26a.	D-Day	Linch-10 min	Radio silence imposed on BOXER	
26b.	D-Day	H-3 hrs (about)	YUCCA is launched	Determine time of launching
41.	Same	H+30 min	Same	Same

4. COMMAND

- Command of the operation will be exercised by CJTF SEVEN from aboard the USS BOXER commencing at a time to be announced. Normal administrative and operational traffic will continue to be addressed to JTF SEVEN Headquarters at ELMER Island.
- Command post of CTG 7.1 - USS BOXER.
- Command post of CTG 7.5 - ELMER Island.

5. COMMUNICATIONS

- The frequencies authorized for use during YUCCA are listed in Annex A, attached hereto.
- The time-count-down will be provided as outlined in Annex "B", attached.

- c. General instructions contained in paragraph 7b, part 4 of Annex "I" to JTF SEVEN Operation Order 1-58 applies.
- d. The radio silence period for YUCCA is from H-3 to H+2 minutes. All frequencies and communication systems not listed in Annex A will be shut down during this radio silence period.
- e. In addition to the radio silence in paragraph 4c, the USS BOXER will observe radio silence on all communications-electronics equipment from launch minus ten (10) minutes to launch plus five (5) minutes. Aircraft radars will be shut down during this radio silence period.

ANNEXES:

Annex A—Frequency Plan,
YUCCA Event
Annex B—Time-Count-Down,
YUCCA Event

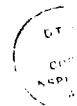
A. R. LUEDECKE
Major General, USAF
Commander

DISTRIBUTION:

CTG 7.1 (25)
CTG 7.2 (5)
CTG 7.3 (40)
CTG 7.4 (10)
CTG 7.5 (10)

OFFICIAL:

Thomas S. Jeffrey Jr.
THOMAS S. JEFFREY, JR.
Colonel, USAF
ACofS, J-3 Division



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Headquarters, Joint Task Force SEVEN
APO 437
San Francisco, California

ANNEX A to CJTF SEVEN Operation Order 58 (YUCCA Event)

FREQUENCY PLAN - YUCCA Event

a. The following circuits and frequencies are authorized to operate during the "Radio Silence" period from H-3 minutes to H+2 minutes for YUCCA Event:

<u>"J"</u>	<u>FREQUENCY</u>	<u>PROJ OR TG</u>	<u>TX LOCATION</u>	<u>REMARKS</u>
J-101	906 MC 952 MC	TG 7.5 TG 7.5	NAN ELMER	TROPO SYSTEM
J-130.1	1-25 MC	6.9	WAKE & KUSAIE	Ionospheric sounding
J-130.2	1-25 MC	6.10	FRED & C-97	Ionospheric sounding
J-130.3	11.655 MC 32.5 MC 139.32 MC 370.0 MC 780.0 MC	6.11	WOTHO	
J-133.3	153.89 MC	TG 7.1	NAN & ELMER	Time-count-down
J-151.1	42.138 MC	1.10	BOXER	Command to Balloon
J-151.2	250.0-259.0 MC	1.10	BALLOON	Telemetry RX-BOXER
J-152	995 MC 1058 MC	8.5 8.5	NAN ACFT	TACAN TACAN
J-158	9375 MC	8.5 6.10	P2V C-97	
J-174	153.89 MC 243.0 MC	TU-5 TU-5	NAN & ELMER BOXER	Time-count-down Time-count-down
J-175	2624 KC 2480 KC	34.2	BOXER	SANDIA
J-182	9310 MC 9375 MC	TG 7.4 TG 7.4	B-36 BALLOON	E-4 System BEACON
J-186	226.5 MC 232.5 MC	SANDIA	BALLOON	Telemetry
J-189.1	1724 KC 6205 KC	9.2 9.2	BALLOON BALLOON	Telemetry Telemetry
J-189.2	6700.5 KC	9.2	BOXER	COMMAND
J-196	9317 MC \pm 87 MC 9317 MC \pm 87 MC 9317 MC \pm 87 MC	6.6 6.6 6.6	FRED RONGELAP KWAJALEIN	
J-232	1895 MC 1855 MC	TG 7.2 TG 7.5	FRED, DAVID ELMER	Microwave

<u>"J"</u>	<u>FREQUENCY</u>	<u>PROJ OR TG</u>	<u>TX LOCATION</u>	<u>REMARKS</u>
J-315	300.5 MC 322.5 MC	TG 7.5 TG 7.3	NAN BOXER	AN/TRC-CIPHON AN/TRC-CIPHON
J-324	243.0 MC 153.89 MC	TU-5 TU-5	BOXER NAN & ELMER	Count-down Count-down
J-328	304.5 MC 326.5 MC	TG 7.5 TG 7.3	NAN BOXER	AN/TRC-24 AN/TRC-24
J-420.4	352 KC	TG 7.4	KAPINGAMARANGI	
J-420.5	308 KC	TG 7.4	KUSAIE	
J-420.6	330 KC	TG 7.4	UTERIK	
J-446.2	243.0 MC 2800 MC 2800 MC 9090 MC 9090 MC	TG 7.4 6.5 6.5 6.5 6.5	WEATHER ISLANDS FRED RONGELAP FRED RONGELAP	

b. The following circuits and frequencies are authorized to operate during the "silent period" only in case of emergency or urgent necessity:

J-115	52.1	TG 7.5	Boat Pool ELMER-NAN
J-159	143.10 MC 149.40 MC	TU-3	Air/Ground
J-221	41.9, 43.5 MC	TG 7.2, 7.5	Military Police
J-301	277.8 MC 6445 KC 2744 KC 5475 KC	TG 7.3	Tactical
J-303	4062 KC 9117.5 KC	TG 7.3	Ship-Shore
J-304	4345 KC 7550 KC 9328 KC	TG 7.3	RATT Bdcst
J-309	500 KC	All	Distress
J-310	3023.5 KC	All	Search & Rescue
J-311	121.5 MC 243.0 MC	All	Distress
J-319A	5725.5 KC 9009.5 KC	TG 7.3	Acft Control & Report
J-326	52.8 MC 52.5 MC 52.4 MC	TG 7.5, 7.3	Boats in distress
J-327	236.6 MC	TG 7.3	Helicopters in distress, BIKINI
J-331	52.4 MC	TG 7.3	RADSAFE

<u>"J"</u>	<u>FREQUENCY</u>	<u>PROJ OR TG</u>	<u>TX LOCATION</u>	<u>REMARKS</u>
J-412	173.575 MC	TG 7.4	Fire-Crash	
J-417	236.6, 257.0 275.8, 243.0 126.18, 121.5 MC	TG 7.4	Emergencies only	
J-428	310.6 MC 320.2 MC 355.4 MC 369.8 MC 373.8 MC 387.4 MC	TG 7.4, 7.3	Air Control	
J-432	165.125 MC	TG 7.4	Main Expediter	
J-439	3247.5 KC 5145.0 KC 9062.5 KC 3340.0 KC 5227.0 KC 6780.0 KC 9270.0 KC 14,422.5 KC	TG 7.4	FRED	Microbarograph readings at H+2
J-441	3067 KC 4765 KC 5703 KC	TG 7.4, 7.3	Air Control	
J-445	236.6 MC 243.0 MC 363.8 MC	TG 7.4	Acraft in distress	

c. Circuits and frequencies not specifically designated in paragraphs a or b will not be used during the "silent period". Where transmitters may be keyed accidentally, action will be taken to disable the transmitters during the "silent period".

FOR THE COMMANDER:

OFFICIAL:

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Chief of Staff

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Headquarters, Joint Task Force SEVEN
APO 437
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16 April 1958

Annex B to Joint Task Force SEVEN OpnO 6-58 (YUCCA Event)
TIME-COUNT-DOWN

1. Due to the fact the USS BOXER will be beyond acceptable VHF/UHF communications range for relay of the time-count-down to Station 70 NAN, or the EG&G Control Room ELMER, the time-count-down for the YUCCA event will be provided as follows:

a. Prior to H-1 hour EG&G aboard the USS BOXER will synchronize a time hack with EG&G at ELMER using the voice channel on the Ship-Shore side-band circuit. Based on this time hack, EG&G in the Control Room on ELMER will activate the count-down precisely at H-1 hour.

b. At H-1 hour EG&G aboard the USS BOXER will broadcast the time-count-down on 243 mcs. (This will be the only broadcast on 243 mcs, since rebroadcast from either ELMER or NAN will cause garbled reception in aircraft at altitude).

c. The EG&G at ELMER will broadcast the time-count-down on 153.89 mcs for use in the ENIWETOK ATOLL. In addition, EG&G will provide the count-down at the proper level to TG 7.5 on ELMER for dissemination over appropriate public address systems on ELMER, and for relay of the count-down to BIKINI, and to FRED.

d. At FRED, TG 7.2 will disseminate the count-down over appropriate public address systems.

e. At BIKINI TG 7.5 will pass the count-down to EG&G at Station 70 for broadcast on 153.89 mcs and will disseminate the count-down on NAN as required over wire systems.

2. Aircraft in the vicinity of ENIWETOK OR BIKINI ATOLLS at altitude will receive the count-down on 243 mcs from the USS BOXER. For TG 7.3 ships and boats in the vicinity of ENIWETOK AND BIKINI ATOLLS who cannot receive the count-down on 153.39 mcs because of lack of receiver facilities, TG 7.3 will be responsible for arranging for special dissemination of the count-down to 7.3 ships and boats for this particular event.

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